BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 1033783.00

Name of Work: Modified Estimate for the work Improvements to approach road connecting Govt PU college at yelahanka police station circle in ward No- 01 of yelahanka Sub division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1 Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH chapter 3. No. 138/ Item No. 19.1/ PWD SR 2014-15	cum							
	desilting of Existing drain		1	60.00	1.00	0.60	36.00		
							36.00	79.00	2844.00
	Tender Aproved Rates	79.00							
2	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2014-15	cum							
	for Culvert		1	7.00	1.50	1.20	12.60		
	EWE for compound wall		1	50.00	1.00	1.00	50.00		
	for RCC drain		1	48.00	1.00	0.90	43.20		
							105.80	184.00	19467.00
	Tender Aproved Rates	184.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 130 (SR 2014-15)	cum							
			Vide Item No. 2				105.80	82.00	8676.00
	Tender Aproved Rates	**82.00**							
4	KSRB-4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement at 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.2/ PWD SR 2014-15	Cum							
	for culvert		1	7.00	1.20	0.15	1.26		
	bed for Compound wall		1	50.00	1.00	0.15	7.50		
	for RCC drain		1	48.00	1.00	0.15	7.20		
							15.96	5310.00	84748.00
	Tender Aproved Rates	**5310.00**							
5	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No.25 item No 5.27 SR 2014-15	sqm	Not Executed						

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 15.3.4 Providing 15m thick cement plaster in single coat with cement mortar 1:3,to brick masonry including rounding off corners wherever reuired smooth rendering, Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. Page No. 109 Item No 15.12 SR 2014-15	sqm							
	Plastering for compound wall		2	50.00		2.10	210.00		
							210.00	209.00	43890.00
	Tender Aproved Rates	209.00							
7	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, **lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc,** including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2014-15	Cum							
	bed for culvert	1x1	1	7.00	1.20	0.20	1.68		
	side walls	1x2	2	7.00	0.20	0.90	2.52		
	deck	1x1	1	7.00	1.20	0.23	1.93		
	for RCC drain		1	48.00	1.00	0.15	7.20		
			2	48.00	0.15	0.75	10.80		
							24.13	6360.00	153480.00
	Tender Aproved Rates	6360.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2014-15	Quintal							
	75Kg/cum		0.750	24.13			18.10		
				24.13			18.10	7608.00	137697.00
	Tender Aproved Rates	7608.00							
9	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters,bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.31/ PWD SR 2014-15	sqm							
	side walls	1x4	4	7.00	0.90		25.20		
		1x1	1	7.00	1.20		8.40		
	deck	1x2	2	1.20	0.23		0.55		
	for RCC drain	1x4	4	48.00	0.75		144.00		
							178.15	306.00	54515.00
	Tender Aproved Rates	306.00							
10	5.29(b) Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. Page No. 25/ Item No. 5.30/ PWD SR 2014-15	Nos							
			1	70.00			70.00		
					0.45		155.56	319.00	49622.00
	Tender Aproved Rates	319.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 15.15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. with primer Page No.113/ Item No. 15.51.2 SR 2014-15	sqm							
			1	70.00	0.45		31.50		
							31.50	90.00	2835.00
	Tender Aproved Rates	90.00							
12	KSRRB M300-53: construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification Page No. 305.4.3, No. 144/ Item No. 19.60/ PWD SR 2014-15	cum	NOT EXECUTED						
13	KSRB 14.6-1 : Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufactures of blocks of approved size , shape and colour with a minimum compressive strength of 281kgs per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour, curing complete as per specifications. Page No.98/ Item No. 14.6 / PWD SR 2014-15	sqm	NOT EXECUTED						

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Providing and fixing MS Hand railing for Balcony with 50mm dia MS hollaw pipe of 14 gauge, welded to 20mmX20mm M.S squre road placed vertically spaced at 100mm at regular intervels of 600mm these vertical rods laterally tied to 3 horizantial roads spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface all the joints and section hould be cut to length welded and grinded wherever necessaty etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing Page No.47 / I No. 7.35/ PWD SR 2014-15	Sqm	NOT EXECUTED						
15	RCC Precast covering slab for drain (10cm thick)	sqm							
	missing covering slab for existing RCC drain		1	75.00	1.20		90.00		
	for RCC drain		1	42.00	0.90		37.80		
							127.80	1570.00	200646.00
	Rate Approved by BBMP	1570.00							
	EIRL ITEMS								
1	KSRRB M200-14.1: Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled materials, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 meters complete as per specifications. li) dismantling brick / tile work, A, in lime mortar, MORTH specifications NO. 202,dismantling brick / tile work B, in cement mortar. No. 133/ Item No. 18.23/ PWD SR 2014-15	cum							
	Dismentling fo Existing compound wall		1	50.00	0.23	2.50	28.75		
							28.75	237.87	6839.00
	Basic Rate	210.00							
	Area Weightage @ 8%	16.80							
	Total	226.80							
	Tender Premium Rate 4.88% above	11.07							
	Total	237.87							

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRRB 200 Cutting of trees KSRRB 200-1, Cutting of trees girth from 300mm to 600mm including cutting of trunks, branches and removal of stumps stacking of serviceable materials earth filling in the depressions / pit, labour charges complete as per specification . MORTH specification clause 201/chapter 2 Page No 132 Item No 18.1 SR 2014-15	Each							
	Existing trees		1	3.00			3.00		
							3.00	**186.90**	**561.00**
	Basic Rate	165.00							
	Area Weightage @ 8%	13.20							
	Total	**178.20**							
	Tender Premium Rate 4.88% above	**8.70**							
	Total	**186.90**							
3	KSRB 5.2.3 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2014-15	Cum							
			1	50.00	0.75	0.40	15.00		
							15.00	**3857.99**	**57870.00**
	Basic Rate	3406.00							
	Area Weightage @ 8%	272.48							
	Total	**3678.48**							
	Tender Premium Rate 4.88% above	**179.51**							
	Total	**3857.99**							
4	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:8, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 26/ Item No. 5.9/ PWD SR 2014-15	Cum							
			1	50.00	0.45	0.40	9.00		
							9.00	**4764.15**	**42877.00**
	Basic Rate	4206.00							
	Area Weightage @ 8%	336.48							
	Total	**4542.48**							
	Tender Premium Rate 4.88% above	**221.67**							
	Total	**4764.15**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 122/ Item No. 15.1 PWD SR 2014-15	sqm							
			1	50.00		0.400	20.00		
							20.00	**96.28**	**1926.00**
	Basic Rate	85.00							
	Area Weightage @ 8%	6.80							
	Total	**91.80**							
	Tender Premium Rate 4.88% above	4.48							
	Total	**96.28**							
6	KSRB 6-2.2 : Providing and constructing **burnt brick masonry** with approved quality of non-modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:8 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2, Page No. 27 Item No. 6.5/ PWD SR 2014-15	Cum							
			1	50.00	0.23	2.100	24.15		
	pillers		6	0.30	0.30	2.100	1.13		
							25.28	**6449.62**	**163072.00**
	Basic Rate	5694.00							
	Area Weightage @ 8%	455.52							
	Total	**6149.52**							
	Tender Premium Rate 4.88% above	300.10							
	Total	**6449.62**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 15.12.1 : Providing gopi colour washing to new wall surface two coats with lime and gopi colour of approved quality to give an even shade after througly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter including cost of materials, labour, complete as per specifications. page No. 112/ Item No. 15.44 PWD SR 2014-15	sqm							
		1X2	2	50.00		2.100	210.00		
	pillers	6X2	12	0.30		2.100	7.56		
							217.56	10.19	2218.00
	Basic Rate	9.00							
	Area Weightage @ 8%	0.72							
	Total	9.72							
	Tender Premium Rate 4.88% above	0.47							
	Total	10.19							
8	Miscellaneous charges								
								Total	1033783.00
	(Rupees Ten Lakhs Thirty three thousand seven hundred eighty three Only)								

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2014-15.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

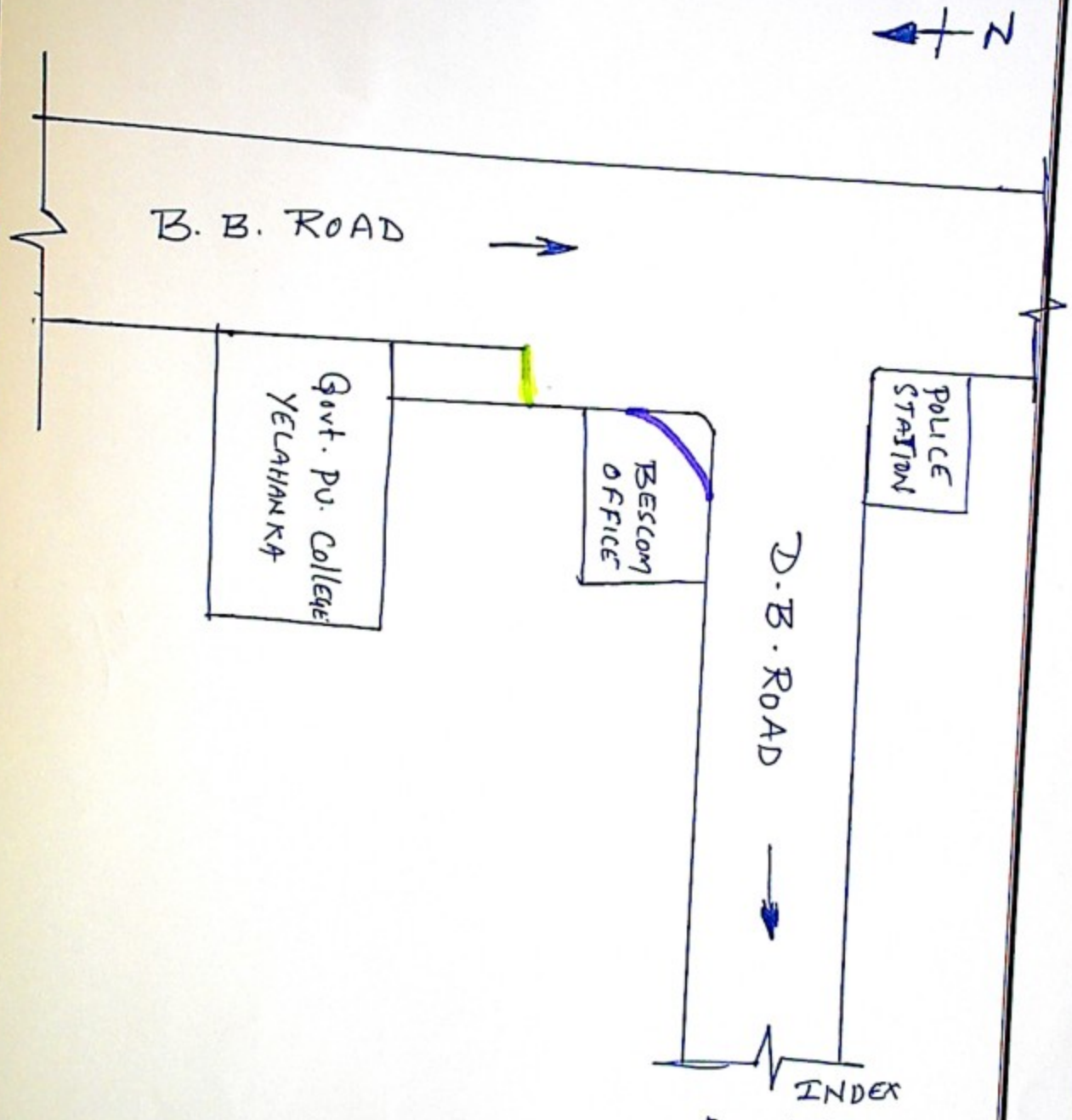
Executive Engineer
Yelahanka Division
Bangalore-64

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

"Modified Estimate Sanctioned"

CE, YNK-2

Modified Estimate for the work Improvements to approach road connecting Govt PU college at yelahanka police station circle in ward No- 01 of yelahanka Sub division



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Yelahanka, Bangalore